



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*Amal*  
#6  
T.D.  
07/22/03

Application No.: 09/676,681  
Filing Date: September 29, 2000  
Applicant: Andrew H. McMillan et al.  
Group Art Unit: 2122  
Examiner: Ted T. Vo  
Title: FLOWCHART-BASED CONTROL SYSTEM  
INCLUDING AUTOMATIC DOWNTIME AND  
CYCLE TIME ANALYSIS  
Attorney Docket: 7287-000012

**RECEIVED**

JUL 16 2003

Technology Center 2100

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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Sir:

In response to the Office Action mailed April 9, 2003, please amend the application as follows and consider the remarks set forth below.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 5 of this paper.

**Amendments to the Drawings** begin on page 12 of this paper.

**Remarks** begin on page 13 of this paper.